APPENDIX A

Operation and Maintenance Plan for Particulate Control for Eastern Associated Terminals Company, LLC

Emission Unit No. 001 - Baghouse H

Operation and Maintenance Plan for Particulate Control: [Rule 62-296.700, F.A.C.]

A) Process Parameters:

1. Source Designators: Shiploader with Baghouse H
2. Baghouse Manufacturer: Standard Havens
3. Model Name and Number: Alpha Mark I Size 30
4. Design Flow Rate: 52,000 ACFM
5. Efficiency Rating at Design Capacity: 99.99%
6. Pressure Drop: 0-8 in. H2O
7. Air to Cloth Ratio: 7.43 : 1
8. Bag Weave: Felt
9. Bag Material: Polyester
10. Bag Cleaning Conditions: Pulse Air 90 psig 14 second cycles
11. Gas Flow Rate: 46,800 DSCFM (design)
12. Gas Temperatures: inlet; Ambient ; outlet; Ambient.
13. Stack Height Above Ground: 55 ft.
14. Exit Diameter: 52" x 38"
15. Water Vapor Content: Ambient %
16. Process Controlled by Collection System: Shiploading
17. Material Handling Rate: Dry/Wet Rock (2,800 tons/hour max.) MAP/DAP/GTSP (2,500 tons/hour max.)
18. Operation Schedule: 2,240 hours per year

B) The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

<u>Daily</u>

1. Check the pressure drop if the baghouse is in operation while material is being handled.
2. Observe stack (visual).
3. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning systems, etc.).
4. Note any unusual occurrence in the process being ventilated.
5. Check pulse (compressed) air pressure.
6. Observe indicators on control panel.
7. Assure that dust is being removed from system.

<u>Weekly</u>

1. Inspect screw conveyor and air lock bearings for lubrication.
2. Check packing glands.
3. Operate all damper valves (isolation, by-pass, etc.).
4. Check bag cleaning sequence to see that all valves are opening and closing properly.
5. Spot check bag tension inside bag collectors.

6. Check pressure drop indicating equipment for plugged lines.
7. Check compressed air lines, including line oilers and filters.

Monthly

1. Check cleaning mechanism moving parts.
2. Inspect fans for corrosion and material build-up.
3. Check all drive belts and chains for wear and tension.
4. Check all hoses and clamps.
5. Check accuracy of all indicating equipment.
6. Inspect housing for corrosion.

Quarterly

1. Inspect baffle plate for wear.
2. Thoroughly inspect bags.
3. Check duct for dust build-up.
4. Observe damper valves for proper seating.
5. Check gaskets on all doors.
6. Inspect paint.
7. Check screw conveyor flighting.

Annually

1. Check all bolts.
2. Check welds.
3. Inspect hopper for wear.
4. Check airlock rotor for wear.

C) Records:

Records of inspections, maintenance, and performance parameters shall be retained for a minimum of five years and shall be made available to the Department or Environmental Protection Commission of Hillsborough County upon request. [Rule 62-296.700(6)(e), F.A.C.]

Emission Unit No. 002 - South Baghouse

Operation and Maintenance Plan for Particulate Control: [Rule 62-296.700, F.A.C.]

A) Process Parameters:

1. Source Designators: South Elevator System w/South Baghouse
2. Baghouse Manufacturer: Flex-Kleen
3. Model Name and Number: Pulse Jet 84-CT-8
4. Design Flow Rate: 300 ACFM
5. Efficiency Rating at Design Capacity: 99.9%
6. Pressure Drop: 0-8 in. H2O
7. Air to Cloth Ratio: 5.17:1
8. Bag Weave: Felt
9. Bag Material: Polyester
10. Bag Cleaning Conditions: Pulse Cleaning - 90 psig
11. Gas Flow Rate: 270 DSCFM (design)
12. Gas Temperatures: inlet; ambient F.; outlet; ambient F.
13. Stack Height Above Ground: 70 ft.
14. Exit Diameter: 5 in.
15. Water Vapor Content: Ambient
16. Process Controlled by Collection System: Storage building baghouse fines
17. Material Handling Rate: Unknown
18. Operation Schedule: 3,733 hours per year

B) The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

<u>Daily</u>

1. Check the pressure drop if the baghouse is in operation while material is being handled.
2. Observe stack (visual).
3. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning systems, etc.).
4. Note any unusual occurrence in the process being ventilated.
5. Check pulse (compressed) air pressure.
6. Assure that dust is being removed from system.

<u>Weekly</u>

1. Inspect screw conveyor and air lock bearings for lubrication.
2. Check packing glands.
3. Operate all damper valves (isolation, by-pass, etc.).
4. Check bag cleaning sequence to see that all valves are opening and closing properly.
5. Spot check bag tension inside bag collectors.
6. Check pressure drop indicating equipment for plugged lines.

7. Check compressed air lines, including line oilers and filters.

Monthly

1. Check cleaning mechanism moving parts.
2. Inspect fans for corrosion and material build-up.
3. Check all drive belts and chains for wear and tension.
4. Check all hoses and clamps.
5. Check accuracy of all indicating equipment.
6. Inspect housing for corrosion.

Quarterly

1. Inspect baffle plate for wear.
2. Thoroughly inspect bags.
3. Check duct for dust build-up.
4. Observe damper valves for proper seating.
5. Check gaskets on all doors.
6. Inspect paint.
7. Check screw conveyor flighting.

Annually

1. Check all bolts.
2. Check welds.
3. Inspect hopper for wear.
4. Check airlock rotor for wear.

C) Records:

Records of inspections, maintenance, and performance parameters shall be retained for a minimum of five years and shall be made available to the Environmental Protection Commission of Hillsborough County upon request. [Rule 62-296.700(6)(e), F.A.C.]

Emission Unit No. 003 - Baghouse A

Operation and Maintenance Plan for Particulate Control: [Rule 62-296.700, F.A.C.]

A) Process Parameters:

1. Source Designators: Railcar Unloader w/Baghouse A
2. Baghouse Manufacturer: Mikro-Pulsaire
3. Model Name and Number: 2G-8
4. Flow Rate: 154,670 DSCFM
5. Efficiency Rating at Design Capacity: 99.99%
6. Pressure Drop: 0-8 in. H2O
7. Air to Cloth Ratio: 11.05 : 1
8. Bag Weave: Felt
9. Bag Material: Polyester
10. Bag Cleaning Conditions: Pulse at 90 psig
11. Gas Temperatures: inlet; Ambient, outlet; Ambient
12. Stack Height Above Ground: 14ft.
13. Exit Diameter: 7.5 ft.
14. Water Vapor Content: Ambient
15. Process Controlled by Collection System: Railcar Unloading
16. Material Handling Rate: Dry/Wet Rock - 2,050 TPH max., MAP/DAP/GTSP - 1,500 TPH max.
17. Operation Schedule: 3,733 hours per year

B) The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

<u>Daily</u>

1. Check the pressure drop if the baghouse is in operation while material is being handled.
2. Observe stack (visual).
3. Walk through system listening for proper operation (audible leaks, proper fan/motor functions, bag cleaning systems).
4. Note any unusual occurrence in the process being ventilated.
5. Observe all indicators on control panel.
6. Check pulse (compressed) air pressure.
7. Assure that dust is being removed from system.

<u>Weekly</u>

1. Inspect screw conveyor and air lock bearings for lubrication.
2. Check packing glands.
3. Operate all damper valves (isolation, by-pass, etc.).
4. Check bag cleaning sequence to see that all valves are opening and closing properly.
5. Spot check bag tension inside bag collectors.
6. Check pressure drop indicating equipment for plugged lines.

7. Check compressed air lines, including line oilers and filters.

Monthly

1. Check cleaning mechanism moving parts.
2. Inspect fans for corrosion and material build-up.
3. Check all drive belts and chains for wear and tension.
4. Check all hoses and clamps.
5. Check accuracy of all indicating equipment.
6. Inspect housing for corrosion.

Quarterly

1. Inspect baffle plate for wear.
2. Thoroughly inspect bags.
3. Check duct for dust build-up.
4. Observe damper valves for proper seating.
5. Check gaskets on all doors.
6. Inspect paint.
7. Check screw conveyor flighting.

Annually

1. Check all bolts.
2. Check welds.
3. Inspect hopper for wear.
4. Check airlock rotor for wear.

C) Records:

Records of inspections, maintenance, and performance parameters shall be retained for a minimum of five years and shall be made available to the Department or Environmental Protection Commission of Hillsborough County upon request. [Rule 62-296.700(6)(e), F.A.C.]

Emission Unit No. 004 - Baghouse B

Operation and Maintenance Plan for Particulate Control: [Rule 62-296.700, F.A.C.]

A) Process Parameters:

1. Source Designators: Belt 7 to 8/9 Transfer Point with Baghouse B
2. Baghouse Manufacturer: Mikro-Pulsaire
3. Model Name and Number: 1F-2
4. Design Flow Rate: 11,250 ACFM
5. Efficiency Rating at Design Capacity: 99.99%
6. Pressure Drop: 0-8 in. H2O
7. Air to Cloth Ratio: 2.89 to 1
8. Bag Weave: Felt
9. Bag Material: Polyester
10. Bag Cleaning Conditions: Pulse at 90 psig
11. Gas Flow Rate: 9563 DCSFM (design)
12. Gas Temperatures: inlet; Ambient, outlet; Ambient
13. Stack Height Above Ground: 10.5 ft.
14. Exit Diameter: 16" x 18$\frac{3}{8}$"
15. Water Vapor Content: Ambient
16. Process Controlled by Collection System: Conveyor Belt Transfer Point
17. Material Handling Rate: Dry/Wet Rock - 2,050 TPH max., MAP/DAP/GTSP - 1,500 TPH max.
18. Operation Schedule: 3,733 hours per year

B) The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

<u>Daily</u>

1. Check the pressure drop if the baghouse is in operation while material is being handled.
2. Observe stack (visual).
3. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning systems, etc.).
4. Note any unusual occurrence in the process being ventilated.
5. Observe all indicators on control panel.
6. Check pulse (compressed) air pressure.
7. Assure that dust is being removed from system.

<u>Weekly</u>

1. Inspect screw conveyor and air lock bearings for lubrication.
2. Check packing glands.
3. Operate all damper valves (isolation, by-pass, etc.).
4. Check bag cleaning sequence to see that all valves are opening and closing properly.
5. Spot check bag tension inside bag collectors.

6. Check pressure drop indicating equipment for plugged lines.
7. Check compressed air lines, including line oilers and filters.

Monthly

1. Check cleaning mechanism moving parts.
2. Inspect fans for corrosion and material build-up.
3. Check all drive belts and chains for wear and tension.
4. Check all hoses and clamps.
5. Check accuracy of all indicating equipment.
6. Inspect housing for corrosion.

Quarterly

1. Inspect baffle plate for wear.
2. Thoroughly inspect bags.
3. Check duct for dust build-up.
4. Observe damper valves for proper seating.
5. Check gaskets on all doors.
6. Inspect paint.
7. Check screw conveyor flighting.

Annually

1. Check all bolts.
2. Check welds.
3. Inspect hopper for wear.
4. Check airlock rotor for wear.

C) Records:

Records of inspections, maintenance, and performance parameters shall be retained for a minimum of five years and shall be made available to the Department or Environmental Protection Commission of Hillsborough County upon request. [Rule 62-296.700(6)(e), F.A.C.]

Emission Unit No. 006 - Baghouse D

Operation and Maintenance Plan for Particulate Control: [Rule 62-296.700, F.A.C.]

A) Process Parameters:

1. Source Designators: Belt #9 to #4 Transfer Point with Baghouse "D"
2. Baghouse Manufacturer: Mikro-Pulsaire
3. Model Name and Number: 64S-8-20
4. Design Flow Rate: 4,500 ACFM
5. Efficiency Rating at Design Capacity: 99.99%
6. Pressure Drop: 0-8 in. H2O
7. Air to Cloth Ratio: 7.48 : 1
8. Bag Weave: Felt
9. Bag Material: Polyester
10. Bag Cleaning Conditions: Pulse Air @ 90 psi
11. Gas Flow Rate: 4050 DSCFM (design)
12. Gas Temperatures: inlet; Ambient, outlet; Ambient.
13. Stack Height Above Ground: 10.5 ft.
14. Exit Diameter: 11" X 12 $^{13}/_{16}$"
15. Water Vapor Content: Ambient
16. Process Controlled by Collection System: Outgoing Transfer
17. Material Handling Rate: Dry/Wet Rock - 2,800 TPH max., MAP/DAP/GTSP - 2,500 TPH max.
18. Operation Schedule: 2,240 hours per year

B) The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

<u>Daily</u>

1. Check the pressure drop if the baghouse is in operation while material is being handled.
2. Observe stack (visual).
3. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning systems, etc.).
4. Note any unusual occurrence in the process being ventilated.
5. Check pulse (compressed) air pressure.
6. Assure that dust is being removed from system.

<u>Weekly</u>

1. Inspect screw conveyor and air lock bearings for lubrication.
2. Check packing glands.
3. Operate all damper valves (isolation, by-pass, etc.).
4. Check bag cleaning sequence to see that all valves are opening and closing properly.
5. Spot check bag tension inside bag collectors.
6. Check pressure drop indicating equipment for plugged lines.

7. Check compressed air lines, including line oilers and filters.

Monthly

1. Check cleaning mechanism moving parts.
2. Inspect fans for corrosion and material build-up.
3. Check all drive belts and chains for wear and tension.
4. Check all hoses and clamps.
5. Check accuracy of all indicating equipment.
6. Inspect housing for corrosion.

Quarterly

1. Inspect baffle plate for wear.
2. Thoroughly inspect bags.
3. Check duct for dust build-up.
4. Observe damper valves for proper seating.
5. Check gaskets on all doors.
6. Inspect paint.
7. Check screw conveyor flighting.

Annually

1. Check all bolts.
2. Check welds.
3. Inspect hopper for wear.
4. Check airlock rotor for wear.

C) Records:

Records of inspections, maintenance, and performance parameters shall be retained for a minimum of five years and shall be made available to the Department or Environmental Protection Commission of Hillsborough County upon request. [Rule 62-296.700(6)(e), F.A.C.]

Emission Unit No. 009 - Baghouse G

Operation and Maintenance Plan for Particulate Control: [Rule 62-296.700, F.A.C.]

A) Process Parameters:

1. Source Designators: Belt #5 to #6 Transfer Point with Baghouse "G"
2. Baghouse Manufacturer: Mikro-Pulsaire
3. Model Name and Number: 64S-8-20
4. Design Flow Rate: 4500 ACFM
5. Efficiency Rating at Design Capacity: 99.99%
6. Pressure Drop: 0-8 in. H2O
7. Air to Cloth Ratio: 7.48 to 1
8. Bag Weave: Felt
9. Bag Material: Polyester
10. Bag Cleaning Conditions: Pulse Air @ 90 psi
11. Gas Flow Rate: 4050 DSCFM (Design)
12. Gas Temperatures: inlet; Ambient outlet; Ambient.
13. Stack Height Above Ground: 10.5 ft.
14. Exit Diameter: 11" X 12 $^{13}/_{16}$
15. Water Vapor Content: Ambient
16. Process Controlled by Collection System: Material Transfer
17. Material Handling Rate: Dry/Wet Rock - 2,800 TPH max., MAP/DAP/GTSP - 2,500 TPH max.
18. Operation Schedule: 2,240 hours per year

B) The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

<u>Daily</u>

1. Check the pressure drop if the baghouse is in operation while material is being handled.
2. Observe stack (visual).
3. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning systems, etc.).
4. Note any unusual occurrence in the process being ventilated.
5. Check pulse (compressed) air pressure.
6. Assure that dust is being removed from system.

<u>Weekly</u>

1. Inspect screw conveyor and air lock bearings for lubrication.
2. Check packing glands.
3. Operate all damper valves (isolation, by-pass, etc.).
4. Check bag cleaning sequence to see that all valves are opening and closing properly.
5. Spot check bag tension inside bag collectors.
6. Check pressure drop indicating equipment for plugged lines.

7. Check compressed air lines, including line oilers and filters.

Monthly

1. Check cleaning mechanism moving parts.
2. Inspect fans for corrosion and material build-up.
3. Check all drive belts and chains for wear and tension.
4. Check all hoses and clamps.
5. Check accuracy of all indicating equipment.
6. Inspect housing for corrosion.

Quarterly

1. Inspect baffle plate for wear.
2. Thoroughly inspect bags.
3. Check duct for dust build-up.
4. Observe damper valves for proper seating.
5. Check gaskets on all doors.
6. Inspect paint.
7. Check screw conveyor flighting.

Annually

1. Check all bolts.
2. Check welds.
3. Inspect hopper for wear.
4. Check airlock rotor for wear.

C) Records:

Records of inspections, maintenance, and performance parameters shall be retained for a minimum of five years and shall be made available to the Department or Environmental Protection Commission of Hillsborough County upon request. [Rule 62-296.700(6)(e), F.A.C.]

Emission Unit No. 011 - Storage Building Ventilation,
S.E. Baghouse I

Operation and Maintenance Plan for Particulate Control: [Rule 62-296.700, F.A.C.]

A) Process Parameters:

1. Source Designators: Storage Building With S.E. Baghouse
2. Baghouse Manufacturer: American Air Filter
3. Model Name and Number: Amerpulse Size 10-312
4. Design Flow Rate: 79,000 ACFM
5. Efficiency Rating at Design Capacity: 99.99%
6. Pressure Drop: 0-8 in. H2O
7. Air to Cloth Ratio: 11.51 to 1
8. Bag Weave: 200 Mesh
9. Bag Material: Polyester-felt
10. Bag Cleaning Conditions: Pulse-air (pressure 90 psi)
11. Gas Flow Rate: 77,818 DSCFM
12. Gas Temperatures: inlet; Ambient ; outlet; Ambient
13. Stack Height Above Ground: 15 ft.
14. Exit Diameter: 8 ft. 5 in.
15. Water Vapor Content: Ambient
16. Process Controlled by Collection System: Storage Building
17. Material Handling Rate: Dry/Wet Rock - 2,800 TPH max., MAP/DAP/GTSP - 2,500 TPH max.
18. Operation Schedule: 3,733 hours per year

B) The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

<u>Daily</u>

1. Check the pressure drop if the baghouse is in operation while material is being handled.
2. Observe stack (visual).
3. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning systems, etc.).
4. Note any unusual occurrence in the process being ventilated.

<u>Weekly</u>

1. Inspect screw conveyor and air lock bearings for lubrication.
2. Check packing glands.
3. Operate all damper valves (isolation, by-pass, etc.).
4. Check bag cleaning sequence to see that all valves are opening and closing properly.
5. Spot check bag tension inside bag collectors.
6. Check pressure drop indicating equipment for plugged lines.
7. Check inlet filter on reverse air blower.

8. Check compressed air lines, including line oilers and filters.

Monthly

1. Check cleaning mechanism moving parts.
2. Inspect fans for corrosion and material build-up.
3. Check all drive belts and chains for wear and tension.
4. Check all hoses and clamps.
5. Check accuracy of all indicating equipment.
6. Inspect housing for corrosion.

Quarterly

1. Inspect baffle plate for wear.
2. Thoroughly inspect bags.
3. Check duct for dust build-up.
4. Observe damper valves for proper seating.
5. Check gaskets on all doors.
6. Inspect paint.
7. Check screw conveyor flighting.

Annually

1. Check all bolts.
2. Check welds.
3. Inspect hopper for wear.
4. Check airlock rotor for wear.

C) Records:

Records of inspections, maintenance, and performance parameters shall be retained for a minimum of five years and shall be made available to the Department or Environmental Protection Commission of Hillsborough County upon request. [Rule 62-296.700(6)(e), F.A.C.]

Emission Unit No. 012 - Storage Building Ventilation,
S.W. Baghouse II

Operation and Maintenance Plan for Particulate Control: [Rule 62-296.700, F.A.C.]

A) Process Parameters:

1. Source Designators: Storage Building With S.W. Baghouse
2. Baghouse Manufacturer: American Air Filter
3. Model Name and Number: Amerpulse Size 10-312
4. Design Flow Rate: 79,000 ACFM
5. Efficiency Rating at Design Capacity: 99.99%
6. Pressure Drop: 0-8 in. H2O
7. Air to Cloth Ratio: 11.51 to 1
8. Bag Weave: 200 Mesh
9. Bag Material: Polyester-felt
10. Bag Cleaning Conditions: Pulse-air (pressure 90 psi)
11. Gas Flow Rate: 78,329 DSCFM (measured)
12. Gas Temperatures: inlet; Ambient ; outlet; Ambient
13. Stack Height Above Ground: 15 ft.
14. Exit Diameter: 8 ft. 5 in.
15. Water Vapor Content: Ambient
16. Process Controlled by Collection System: Storage Building
17. Material Handling Rate: Dry/Wet Rock - 2,800 TPH max., MAP/DAP/GTSP - 2,500 TPH max.
18. Operation Schedule: 3,733 hours per year

B) The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

<u>Daily</u>

1. Check the pressure drop if the baghouse is in operation while material is being handled.
2. Observe stack (visual).
3. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning systems, etc.).
4. Note any unusual occurrence in the process being ventilated.

<u>Weekly</u>

1. Inspect screw conveyor and air lock bearings for lubrication.
2. Check packing glands.
3. Operate all damper valves (isolation, by-pass, etc.)
4. Check bag cleaning sequence to see that all valves are opening and closing properly.
5. Spot check bag tension inside bag collectors.
6. Check pressure drop indicating equipment for plugged lines.
7. Check inlet filter on reverse air blower.

8. Check compressed air lines, including line oilers and filters.

Monthly

1. Check cleaning mechanism moving parts.
2. Inspect fans for corrosion and material build-up.
3. Check all drive belts and chains for wear and tension.
4. Check all hoses and clamps.
5. Check accuracy of all indicating equipment.
6. Inspect housing for corrosion.

Quarterly

1. Inspect baffle plate for wear.
2. Thoroughly inspect bags.
3. Check duct for dust build-up.
4. Observe damper valves for proper seating.
5. Check gaskets on all doors.
6. Inspect paint.
7. Check screw conveyor flighting.

Annually

1. Check all bolts.
2. Check welds.
3. Inspect hopper for wear.
4. Check airlock rotor for wear.

C) Records:

Records of inspections, maintenance, and performance parameters shall be retained for a minimum of five years and shall be made available to the Department or Environmental Protection Commission of Hillsborough County upon request. [Rule 62-296.700(6)(e), F.A.C.]

Emission Unit No. 013 - Storage Building Ventilation,
N.W. Baghouse III

Operation and Maintenance Plan for Particulate Control: [Rule 62-296.700, F.A.C.]

A) Process Parameters:

1. Source Designators: Storage Building N.W. Baghouse
2. Baghouse Manufacturer: American Air Filter
3. Model Name and Number: Amerpulse Size 10-312
4. Design Flow Rate: 79,000 ACFM
5. Efficiency Rating at Design Capacity: 99.99%
6. Pressure Drop: 0-8 in. H2O
7. Air to Cloth Ratio: 11.51 to 1
8. Bag Weave: 200 Mesh
9. Bag Material: Polyester-felt
10. Bag Cleaning Conditions: Pulse-air (pressure 90 psi)
11. Gas Flow Rate: 78,667 DSCFM (measured)
12. Gas Temperatures: inlet; Ambient ; outlet; Ambient
13. Stack Height Above Ground: 15 ft.
14. Exit Diameter: 8 ft. 5 in.
15. Water Vapor Content: Ambient
16. Process Controlled by Collection System: Storage Building
17. Material Handling Rate: Wet/Dry Rock - 2,800 TPH max., MAP/DAP/GTSP - 2,500 TPH max.
18. Operation Schedule: 3,733 hours per year

B) The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

<u>Daily</u>

1. Check the pressure drop if the baghouse is in operation while material is being handled.
2. Observe stack (visual).
3. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning systems, etc.).
4. Note any unusual occurrence in the process being ventilated.

<u>Weekly</u>

1. Inspect screw conveyor and air lock bearings for lubrication.
2. Check packing glands.
3. Operate all damper valves (isolation, by-pass, etc.).
4. Check bag cleaning sequence to see that all valves are opening and closing properly.
5. Spot check bag tension inside bag collectors.
6. Check pressure drop indicating equipment for plugged lines.
7. Check inlet filter on reverse air blower.

8. Check compressed air lines, including line oilers and filters.

Monthly

1. Check cleaning mechanism moving parts.
2. Inspect fans for corrosion and material build-up.
3. Check all drive belts and chains for wear and tension.
4. Check all hoses and clamps.
5. Check accuracy of all indicating equipment.
6. Inspect housing for corrosion.

Quarterly

1. Inspect baffle plate for wear.
2. Thoroughly inspect bags.
3. Check duct for dust build-up.
4. Observe damper valves for proper seating.
5. Check gaskets on all doors.
6. Inspect paint.
7. Check screw conveyor flighting.

Annually

1. Check all bolts.
2. Check welds.
3. Inspect hopper for wear.
4. Check airlock rotor for wear.

C) Records:

Records of inspections, maintenance, and performance parameters shall be retained for a minimum of five years and shall be made available to the Department or Environmental Protection Commission of Hillsborough County upon request. [Rule 62-296.700(6)(e), F.A.C.]

Emission Unit No. 014 - Storage Building Ventilation,
N.E. Baghouse IV

Operation and Maintenance Plan for Particulate Control: [Rule 62-296.700, F.A.C.]

A) Process Parameters:

1. Source Designators: Storage Building With N.E. Baghouse (IV)
2. Baghouse Manufacturer: American Air Filter
3. Model Name and Number: Amerpulse Size 10-312
4. Design Flow Rate: 79,000 ACFM
5. Efficiency Rating at Design Capacity: 99.99%
6. Pressure Drop: 0-8 in. H2O
7. Air to Cloth Ratio: 11.51 to 1
8. Bag Weave: 200 Mesh
9. Bag Material: Polyester-felt
10. Bag Cleaning Conditions: Pulse-air (pressure 90 psi)
11. Gas Flow Rate: 73,205 DSCFM (measured)
12. Gas Temperatures: inlet; Ambient ; outlet; Ambient
13. Stack Height Above Ground: 15 ft.
14. Exit Diameter: 8 ft. 5 in.
15. Water Vapor Content: Ambient
16. Process Controlled by Collection System: Storage Building
17. Material Handling Rate: Dry/Wet Rock - 2,800 TPH max., MAP/DAP/GTSP - 2,500 TPH max.
18. Operation Schedule: 3,733 hours per year

B) The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

<u>Daily</u>

1. Check the pressure drop if the baghouse is in operation while material is being handled.
2. Observe stack (visual).
3. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning systems, etc.).
4. Note any unusual occurrence in the process being ventilated.

<u>Weekly</u>

1. Inspect screw conveyor and air lock bearings for lubrication.
2. Check packing glands.
3. Operate all damper valves (isolation, by-pass, etc.).
4. Check bag cleaning sequence to see that all valves are opening and closing properly.
5. Spot check bag tension inside bag collectors.
6. Check pressure drop indicating equipment for plugged lines.
7. Check inlet filter on reverse air blower.

8. Check compressed air lines, including line oilers and filters.

Monthly

1. Check cleaning mechanism moving parts.
2. Inspect fans for corrosion and material build-up.
3. Check all drive belts and chains for wear and tension.
4. Check all hoses and clamps.
5. Check accuracy of all indicating equipment.
6. Inspect housing for corrosion.

Quarterly

1. Inspect baffle plate for wear.
2. Thoroughly inspect bags.
3. Check duct for dust build-up.
4. Observe damper valves for proper seating.
5. Check gaskets on all doors.
6. Inspect paint.
7. Check screw conveyor flighting.

Annually

1. Check all bolts.
2. Check welds.
3. Inspect hopper for wear.
4. Check airlock rotor for wear.

C) Records:

Records of inspections, maintenance, and performance parameters shall be retained for a minimum of five years and shall be made available to the Department or Environmental Protection Commission of Hillsborough County upon request. [Rule 62-296.700(6)(e), F.A.C.]